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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/679,686	10/06/2003	Francis J. O'Brien JR.	83996	5334

23523 7590 04/05/2005

NAVAL UNDERSEA WARFARE CENTER
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EXAMINER

WACHSMAN, HAL D

ART UNIT PAPER NUMBER

2857

DATE MAILED: 04/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

1. The reply filed on 3-7-05 is not fully responsive to the prior Office Action because of the following omission(s) or matter(s):

- a) On various pages of the reply, in the upper portion of the pages, apparently due to fax transmission problems, there are overprinting of letters on top of and to the side of the text. Appropriate correction is required.
- b) Page 23 of the reply, indicates that the Applicant has submitted an Attachment 2, however there is no Attachment 2 in the image file wrapper. Appropriate correction is required.
- c) The reply contains a specification insertion indicated as "Insert the following paragraph *ending* at page 32, line 14, and before the paragraph beginning at page 32, line 15...." which it appears should be "Insert the following paragraph **after the paragraph** ending at page 32, line 14, and before the paragraph beginning at page 32, line 15..." for this to be able to be inserted into the specification properly. Appropriate correction is required.
- d) Claims 13-15 are improper under 37 C.F.R. 1.121 because in each of these claims double brackets are being used in the equations to delete text that contain more than five consecutive characters. Appropriate correction is required.
- e) Claims 13 and 14 are improper under 37 C.F.R. 1.52 because in claim 13 the lettering z with its subscript p is too small in a few locations and in claim 14 the lettering z with its subscript B is too small in a few locations. Appropriate correction is required.

f) Paragraph 1.d) of the prior Office action indicated that listing of references in the specification was not a proper information disclosure statement however the Remarks/Argument section of the reply contains no comments on this. Appropriate explanation is required.


2. See 37 CFR 1.111. Since the above-mentioned reply appears to be *bona fide*, applicant is given **ONE (1) MONTH or THIRTY (30) DAYS** from the mailing date of this notice, whichever is longer, within which to supply the omission or correction in order to avoid abandonment. EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hal D. Wachsman whose telephone number is 571-272-2225. The examiner can normally be reached on Monday to Friday 7:00 A.M. to 4:30 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marc Hoff can be reached on 571-272-2216. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2857

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Hal D Wachsman
Primary Examiner
Art Unit 2857

HW
March 26, 2005